

**EAST Search History**

| Ref # | Hits | Search Query  | DBs                       | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---------------------------|------------------|---------|---------------------|
| L1    | 7446 | (422/100, 382/128).ccls.  | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2009/03/10<br>11:22 |
| L3    | 148  | L1 and ((focusing or streamlin\$3) with (fluid or particle or microparticle or bead or cell))   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/10<br>11:23 |
| L4    | 109  | L3 and @ad< "20041217"  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/10<br>11:24 |
| S1    | 1    | "20080304720"   | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2009/03/05<br>16:29 |
| S2    | 12   | (chang-jun-keun, park-jun-ha, chung-chanil, kim-jung-kyung).in.   | US-PGPUB;<br>USPAT; USOCR | OR               | OFF     | 2009/03/05<br>16:34 |
| S3    | 1947 | focusing near2 (fluid or particle or microparticle)   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/05<br>16:35 |
| S4    | 1086 | S3 not (microfluidic or channel)  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/05<br>16:36 |
| S5    | 861  | S3 not S4   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/05<br>16:37 |
| S6    | 618  | S5 and @ad< "20041217"  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/05<br>16:37 |
| S7    | 1    | "6592821".pn.   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/05<br>16:43 |
| S8    | 405  | (wada-h-garrett, kopf-sill-anne-r, alajoki-marja-liisa, parce-j-wallace, wang-benjamin-n, chow-andrew-w, dubrow-robert-s, yurkovetsky-yevgeny, farinas-javier-anibal).in. | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/05<br>16:47 |
| S9    | 28   | S8 and (focusing with (fluid or particle or microparticle))   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/05<br>16:48 |
| S10   | 405  | (wada-h-garrett, kopf-sill-anne-r, alajoki-marja-liisa, parce-j-wallace, wang-benjamin-n, chow-andrew-w, dubrow-robert-s, yurkovetsky-yevgeny, farinas-javier-anibal).in. | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/06<br>09:46 |
| S11   | 1947 | focusing near2 (fluid or particle or microparticle)   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/06<br>09:52 |
| S12   | 1086 | S11 not (microfluidic or channel)   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/03/06<br>09:52 |

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| S13 | 861    | S11 not S12  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>09:52 |
| S14 | 352    | S13 and (focusing with<br>(channel or microchannel<br>or conduit or capillary or<br>tube))   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>09:52 |
| S15 | 60     | S13 and (focusing adj<br>(channel or microchannel<br>or conduit or capillary or<br>tube))  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>09:52 |
| S16 | 3061   | focusing near2 (fluid or<br>particle or microparticle or<br>cell)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>10:16 |
| S17 | 4207   | (focusing or streamlin\$3)<br>near2 (fluid or particle or<br>microparticle or cell)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>10:19 |
| S18 | 2831   | (focusing or streamlin\$3)<br>near2 (particle or<br>microparticle or cell)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>10:19 |
| S20 | 293472 | (assymetric\$5 asymmetric<br>\$5 or bent or bend or curv<br>\$5 or narrow\$3) with<br>(channel or microchannel<br>or conduit or capillary or<br>tube)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>11:05 |
| S21 | 373    | S18 and S20  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>11:06 |
| S22 | 249    | S21 and<br>@ad<"20041217"  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>11:06 |
| S23 | 105824 | (assymetric\$5 asymmetric<br>\$5 or bent or bend or curv<br>\$5 or narrow\$3) with<br>(channel or microchannel<br>or conduit or capillary or<br>tube) with (shape or wall<br>or nozzle or section\$2 or<br>area) | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>11:08 |
| S24 | 100    | S18 and S23  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>11:08 |
| S25 | 60     | S24 and<br>@ad<"20041217"  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>11:08 |
| S26 | 106149 | (nonlinear or asymmetric\$5<br>or bent or bend or curv\$5<br>or narrow\$3) with<br>(channel or microchannel<br>or conduit or capillary or<br>tube) with (shape or wall<br>or nozzle or section\$2 or<br>area)    | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/06<br>11:18 |

|     |       |  |                        |     |     |                  |
|-----|-------|--|------------------------|-----|-----|------------------|
| S27 | 2837  | (focusing or streamlin\$3) near2 (particle or microparticle or cell or bacteria)   | US-PGPUB; USPAT; USOCR | OR  | ON  | 2009/03/06 11:39 |
| S28 | 100   | S26 and S27  | US-PGPUB; USPAT; USOCR | OR  | ON  | 2009/03/06 11:39 |
| S29 | 0     | S28 not S24  | US-PGPUB; USPAT; USOCR | OR  | ON  | 2009/03/06 11:39 |
| S30 | 13764 | (nonlinear or asymmetric\$5 or bent or bend or curv\$5 or narrow\$3) with (channel or microchannel or conduit or capillary or tube) with (shape or wall or nozzle or section\$2 or area) | DERWENT                | OR  | ON  | 2009/03/06 11:40 |
| S31 | 275   | (focusing or streamlin\$3) near2 (particle or microparticle or cell or bacteria)   | DERWENT                | OR  | ON  | 2009/03/06 11:40 |
| S32 | 1     | S30 and S31  | DERWENT                | OR  | ON  | 2009/03/06 11:40 |
| S33 | 7340  | (nonlinear or asymmetric\$5 or bent or bend or curv\$5 or narrow\$3) with (channel or microchannel or conduit or capillary or tube) with (shape or wall or nozzle or section\$2 or area) | FPRS; EPO; JPO         | OR  | ON  | 2009/03/06 11:41 |
| S34 | 147   | (focusing or streamlin\$3) near2 (particle or microparticle or cell or bacteria)   | FPRS; EPO; JPO         | OR  | ON  | 2009/03/06 11:41 |
| S35 | 0     | S33 and S34  | FPRS; EPO; JPO         | OR  | ON  | 2009/03/06 11:41 |
| S36 | 72    | fluidigm-\$as.   | US-PGPUB; USPAT; USOCR | OR  | OFF | 2009/03/06 12:15 |
| S37 | 5     | S36 and ((focusing or streamlin\$3) with (particle or microparticle or cell or bacteria))  | US-PGPUB; USPAT; USOCR | OR  | ON  | 2009/03/06 12:18 |
| S39 | 55339 | (height or area) with (different or chang\$3 or vary\$3 or increas\$3 or decreas\$3) with (channel or microchannel or conduit or nozzle)   | US-PGPUB; USPAT; USOCR | OR  | ON  | 2009/03/06 12:33 |
| S40 | 25    | S26 S27 S39  | US-PGPUB; USPAT; USOCR | AND | ON  | 2009/03/06 12:33 |

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|-----|------|--|---------------------------|------|-----|---------------------|
| S41 | 1    | "6506609".pn.  | US-PGPUB;<br>USPAT; USOCR | AND  | ON  | 2009/03/06<br>12:47 |
| S42 | 1    | (toner-mehmet, dicarlo-dino, edd-jon, irimia-daniel).in.   | US-PGPUB;<br>USPAT; USOCR | AND  | ON  | 2009/03/06<br>12:48 |
| S43 | 1707 | S26 and asymmetric   | US-PGPUB;<br>USPAT; USOCR | OR   | ON  | 2009/03/06<br>14:39 |
| S44 | 156  | S26 and (asymmetric with wall)   | US-PGPUB;<br>USPAT; USOCR | OR   | ON  | 2009/03/06<br>14:40 |
| S45 | 100  | S44 and<br>@ad<"20041217"  | US-PGPUB;<br>USPAT; USOCR | OR   | ON  | 2009/03/06<br>14:40 |
| S46 | 61   | ("4390403"   "4908112"  <br>"5126022"   "5498392"  <br>"5571410"   "5585069"  <br>"5587128"   "5593838"  <br>"5603351"   "5635358"  <br>"5637469"   "5699157"  <br>"5750015"   "5779868"  <br>"5800690"   "5842787"  <br>"5846708"   "5852495"  <br>"5869004"   "5876675"  <br>"5880071"   "5882465"  <br>"5885470"   "5942443"  <br>"5948227"   "5955028"  <br>"5957579"   "5958203"  <br>"5958694"   "5959291"  <br>"5964995"   "5965001"  <br>"5965410"   "5972187"  <br>"5972710"   "5976336"  <br>"5989402"   "6001231"  <br>"6004515"   "6011252"  <br>"6012902"   "6042710"  <br>"6046056"   "6068752"  <br>"6071478"   "6074725"  <br>"6080295"   "6156181"  <br>"6344326"   "6432630").<br>PN. OR ("6592821").<br>URPN. | US-PGPUB;<br>USPAT; USOCR | OR   | OFF | 2009/03/09<br>13:30 |
| S50 | 1    | focusing channel nozzle<br>(microparticle or bead or cell)   | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2009/03/09<br>14:11 |
| S51 | 1    | "6994218".pn.  | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2009/03/09<br>14:13 |

3/10/2009 11:43:24 AM

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